



Web-based Energy Codes Training The Next Step?

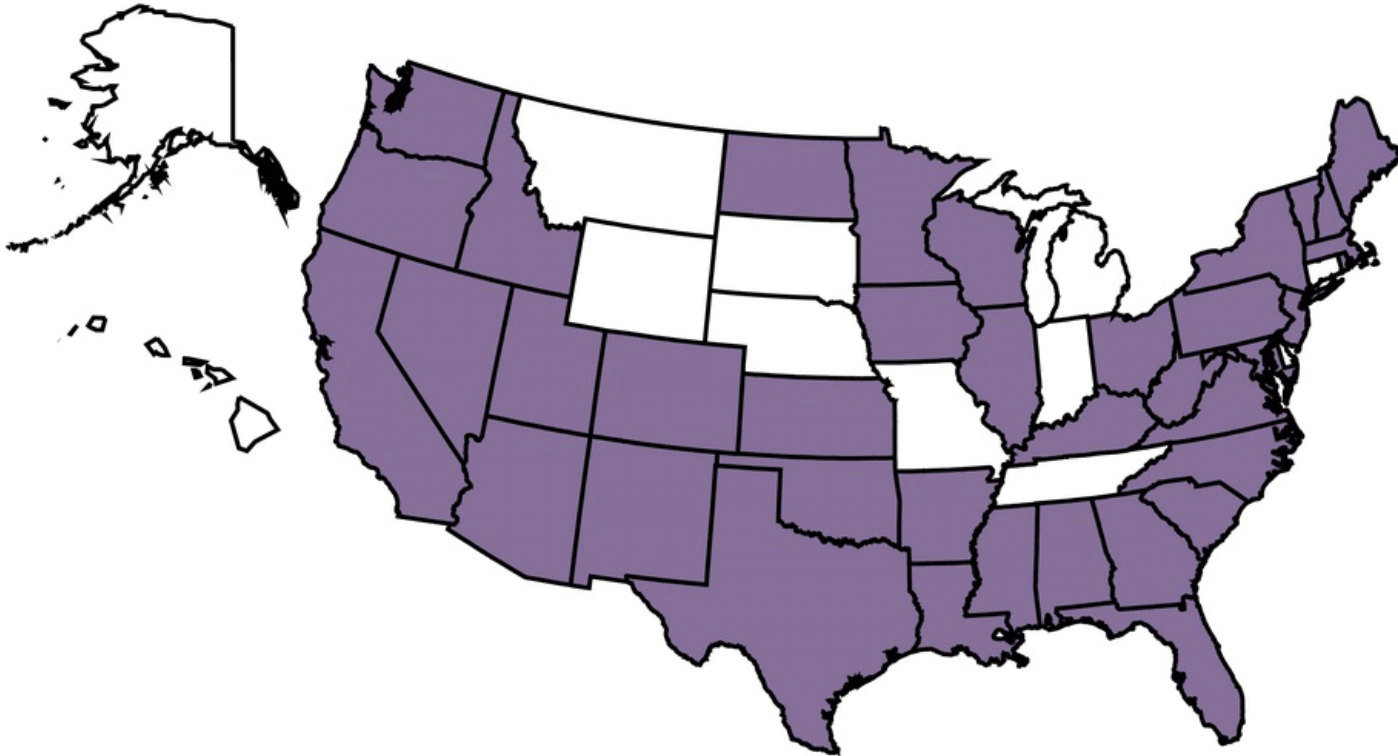
Ruth Taylor
Pacific Northwest National Laboratory
2003 Energy Codes Workshop



Why is Training so Important?

- **Critical to Code Compliance & Implementation**
 - Many building professionals know little about energy code requirements.
 - Energy codes are seldom a high priority for builders or code officials.
 - Training can help building professionals understand code requirements in the context of building physics and the entire construction process.

State Training Activities

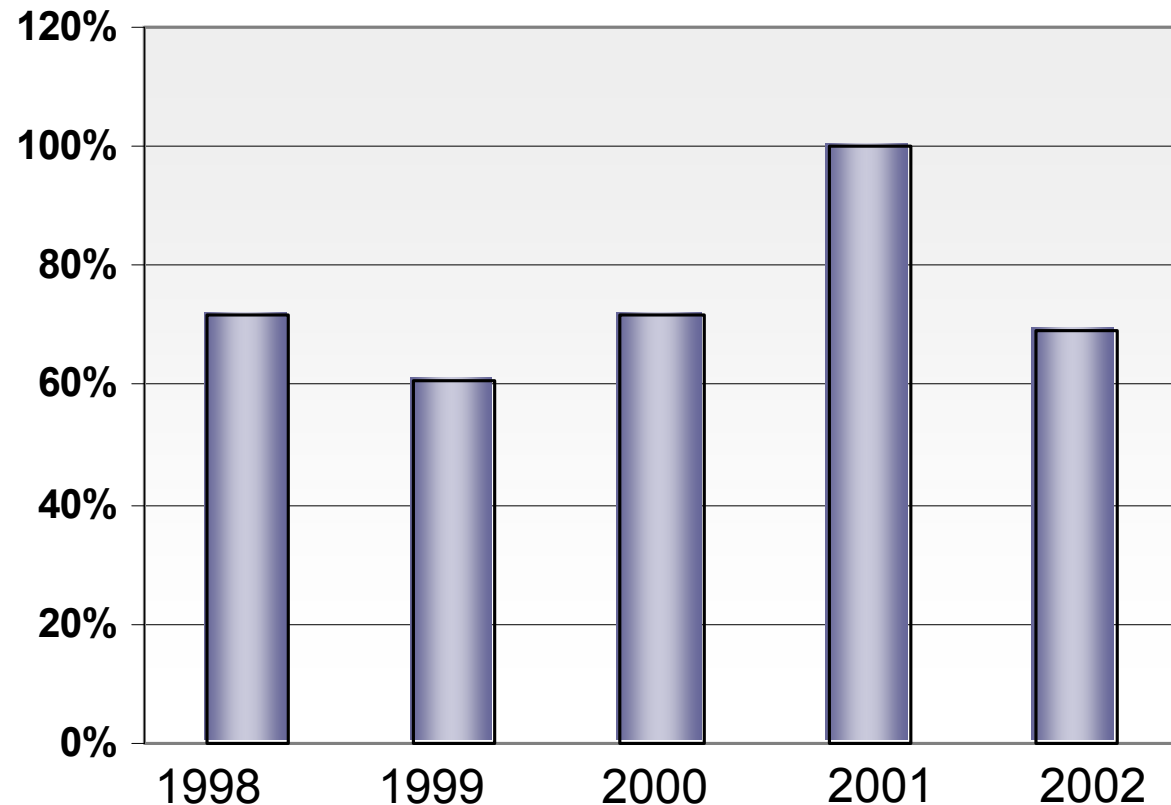


■ States which received SEP grant money for training activities (1998-2002)



SEP Grant Money for Training Activities

% of code grants
that included
training activities





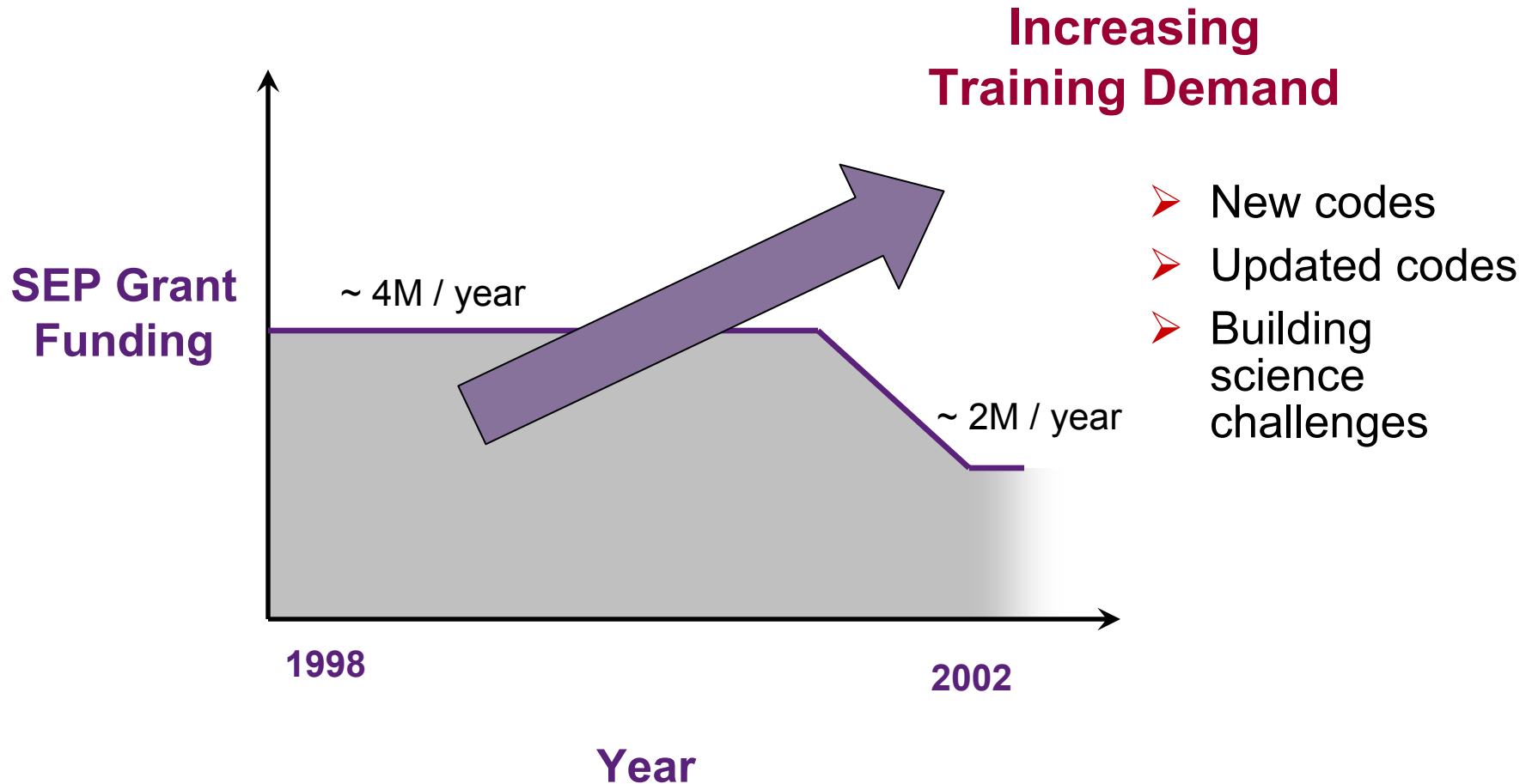
The Problem

- Training needs are increasing as funds are decreasing!



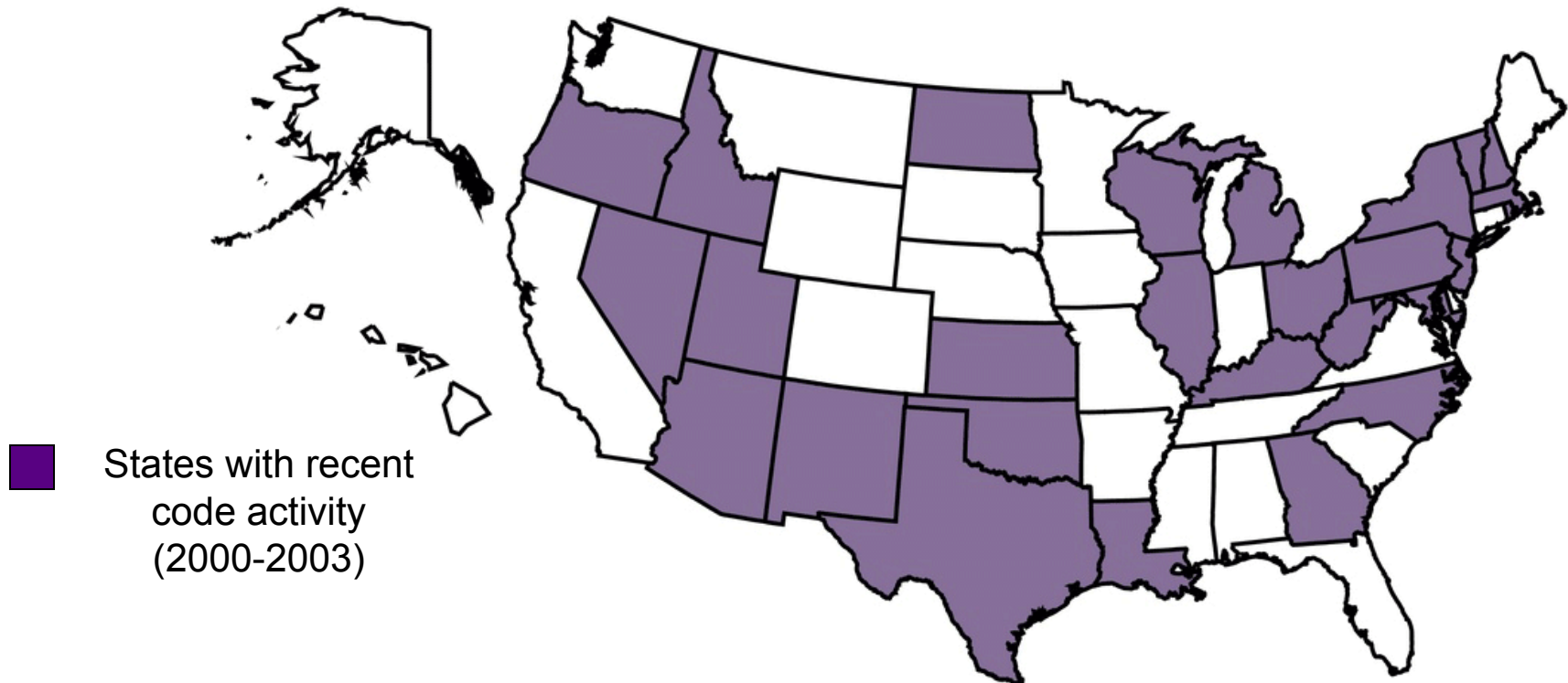


SEP Grants for Training





States with Recent Code Activity



States with code activity always have increased training needs.



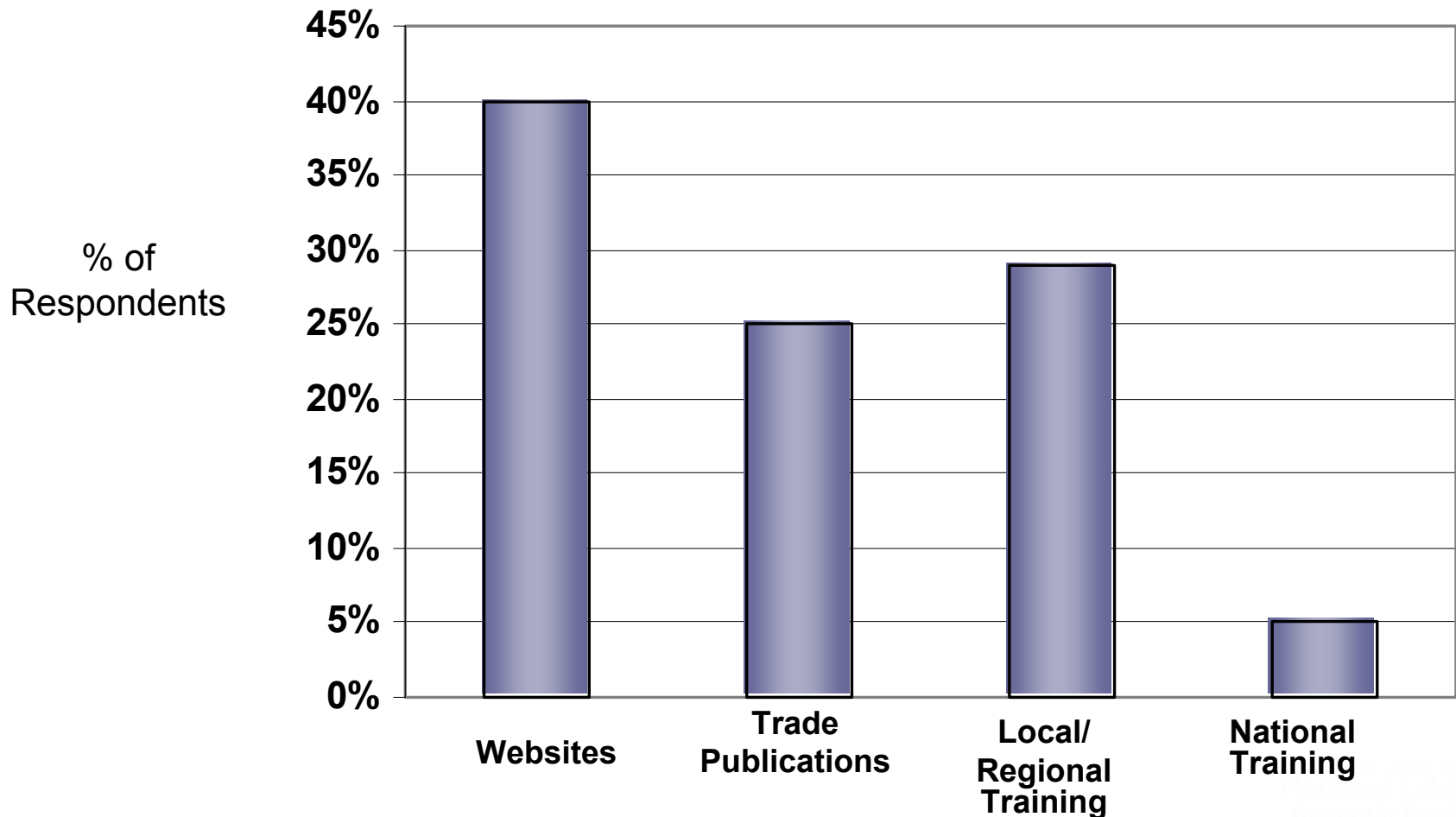
How Can Web-based Training Help?

- More cost-effective than traditional stand-up training.
- Accommodates the hectic schedules of most building professionals.
- Centralized resources (via the internet) can be shared by states to leverage limited training funds.



BEC User Preferences

How do you typically get energy code information?





What is Web-based Training?

- Online Interactive Web Casts
- Self-paced Online Modules
- Online Training Videos
- Online Searchable Energy Codes Database



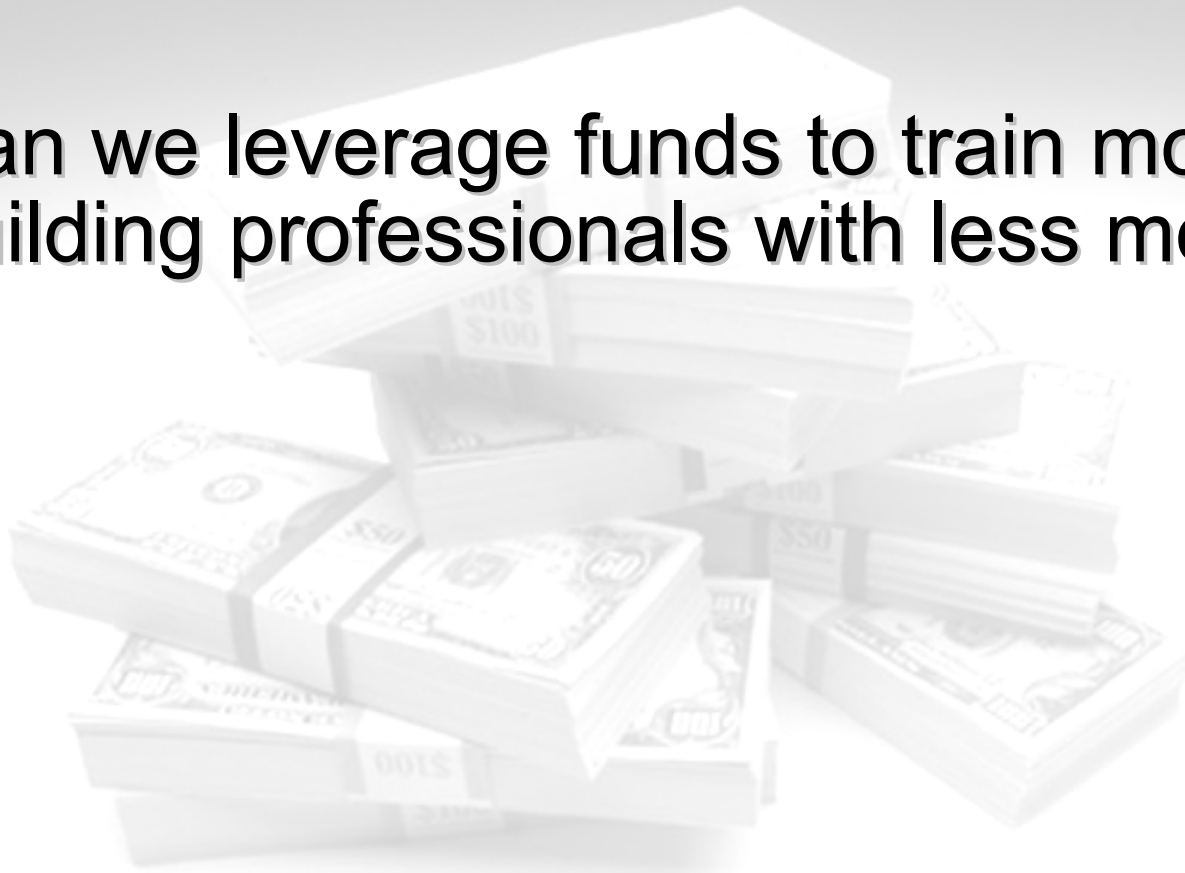
On-line Training in the Construction Industry

- [ICC Code Campus](#) - Code Officials
- [Build IQ University](#) - Builders
- [AIA eClassroom](#) - Architects
- [AEE Online Seminars](#) - Energy Engineers



Is There a Solution?

- Can we leverage funds to train more building professionals with less money?





Centralization of Training Tools

- On-line Training Videos
- Self-Paced Training Modules
- National Web Casts

Generic tools based on national codes can be supplemented or customized for state specific codes or regional climate conditions.



Centralization Idea

BEC Online Resource Center

➤ Tools for Users

- searchable database of energy codes information
- graphics and video clips (viewed online or downloaded)
- related articles, websites and other resources

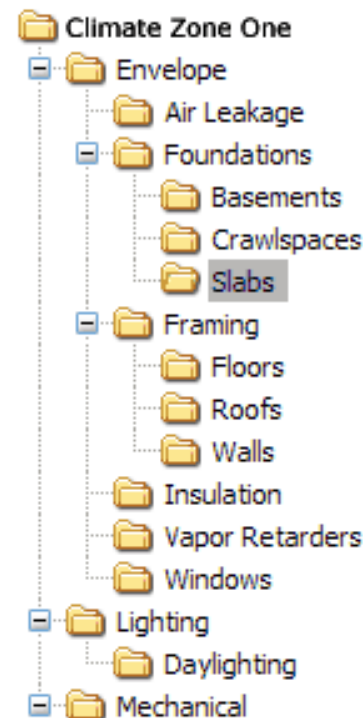
➤ Tools for Trainers

- Articles, graphics, video clips etc. can be saved for training presentations or resource manuals



Search for:

Search



[See Climate Zone Definitions](#)

BEC Resource Center

Res Code -> Envelope -> Foundation -> Slab

Article # 68
Title Perimeter Slab Insulation

Description

Why is perimeter slab insulation so important?

Solution

A substantial amount of heat is lost through an uninsulated slab, resulting in cold, uncomfortable floors. Even if the foundation is insulated vertically under the slab, heat is still lost from the slab edge. See graphic.

[See Complete Article](#)

[See Relevant Standard](#)

Related Articles

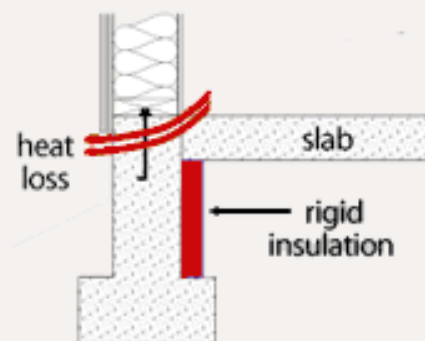
- [# 45 Slab Insulation Installation](#)
- [# 33 Slab Insulation and Moisture](#)
- [# 67 Slab Insulation Code Requirements](#)

See Additional Resources

[web sites](#) [videos](#) [books](#) [others](#)

[Submit a Question to the Resource Center](#)

[Go to Graphics Library](#)



Heat is lost through the slab edge if it is not insulated.

[Download Graphic](#)

[View Video Clip](#)

Printing/Saving Options

- ☐ Save to Builder's Guide
- ☐ Save to Power Point Presentation
- ☐ Print Current Article

SUBMIT



Web-based Training – The Next Step?

- What are you already using?
- What plans do you have for web-based training?
- What do you think will work in your area?
- What will work with your audience?



Feedback Card

Web-based Training Interest Survey

2003 National Workshop on State Building Energy Codes



Does your agency currently use (or have plans to use) any of the following online training tools? (please check all that apply)

	Currently Use	Plan to Use
Online PowerPoint Presentations	_____	_____
Self-paced Online Training Modules	_____	_____
Interactive Web Casts	_____	_____
Online Training Videos	_____	_____
Searchable Energy Codes Database	_____	_____
Other _____	_____	_____

Which tools do you think would be the most useful to energy code users in your area?

	Most Least				
Online Power Point Presentations	5	4	3	2	1
Self-paced Online Training Modules	5	4	3	2	1
Interactive Web Casts	5	4	3	2	1
Online Training Videos	5	4	3	2	1
Searchable Energy Codes Database	5	4	3	2	1
Other _____	5	4	3	2	1

Do you have any other thoughts about ways to reach code users with online training tools? (please use the back of this card to describe)